Amendments to the Claims

This listing of claims replaces all prior versions and listings:

1. (Currently amended) A composition comprising a particle including a core and a shell, the core including a metal carbide and the shell including a carbon nanotube chemically attached to at least a portion of a surface of the core, wherein the metal carbide is silicon carbide.

2. (Cancelled)

3. (Previously presented) The composition of claim 1, wherein the carbon nanotube includes fullerenic carbon.

4. (Original) The composition of claim 1, wherein the shell covers at least 50% of a surface of the core.

5. (Original) The composition of claim 1, wherein the particle includes at least 2% by volume carbon nanoparticles.

6. (Original) The composition of claim 1, wherein the shell has an average thickness of at least 2.5 nanometers.

7. (Original) The composition of claim 1 wherein the particle has an average diameter of less than 100 micrometers.

8. (Previously presented) The composition of claim 1, wherein the carbon nanotube includes a single-walled or multi-walled carbon nanotube or a nanofiber chemically attached to the core at at least one end.

9. (Previously presented) The composition of claim 1, wherein the carbon nanotube includes a carbon nanotube or carbon nanofiber open at an end.

10. (Previously presented) The composition of claim 1, further comprising a coating of metal or metal oxide on the carbon nanotube.

11. (Currently amended) A composite abrasive particle comprising a core and a shell, the core including a metal carbide and the shell including a carbon nanotube chemically attached to at least a portion of a surface of the core, wherein the metal carbide is silicon carbide.

12. (Previously presented) The composite abrasive particle of claim 11, further comprising a coating of metal or metal oxide on the carbon nanotube.

13. (Original) A grinding or finishing product comprising the particle of claim 1.

14. (Cancelled)

15. (Original) The product of claim 13, wherein the product is a grinding wheel, a cutting wheel, a coated abrasive or a suspension of abrasive particles in a liquid.

16. (Original) A structurally reinforced composite comprising the particle of claim 1.

17. (Cancelled)

18. (Original) An electrochemical storage medium comprising the particle of claim 1.

19. (Original) A hydrogen storage medium comprising the particle of claim 1.

20. (Cancelled)

21. (Previously presented) A composition comprising a particle including substantially densely-packed carbon nanotubes.

22. (Previously presented) The composition of claim 21, wherein the carbon nanotubes include fullerenic carbon.

23. (Previously presented) The composition of claim 21, wherein the carbon nanotubes include a single-walled or multi-walled carbon nanotube or a nanofiber.

24. (Original) The composition of claim 23, wherein at least one end of the nanotube or nanofiber is closed.

25. (Original) The composition of claim 23, wherein at least one end of the nanotube or nanofiber is open.

26. (Previously presented) The composition of claim 21, further comprising a coating of metal or metal oxide on the carbon nanotubes.

27. (Previously presented) An abrasive particle comprising substantially densely-packed carbon nanotubes.

28. (Previously presented) The particle of claim 27, further comprising a coating of metal oxide or metal on the carbon nanotubes.

29. (Original) A grinding or finishing product comprising the composition of claim 21.

30. (Original) The product of claim 29, wherein the product is a grinding wheel, cutting wheel, coated abrasive, or suspension of abrasive particles in a liquid.

31. (Original) A structurally reinforced composite comprising the composition of claim 21.

32. (Original) An electrochemical storage medium comprising the composition of claim 21.

33. (Original) A hydrogen storage medium comprising the composition of claim 21.

34.- 49. (Canceled)